6/78

JUNE 1978

The Spark Gap

BOOK IV VOL VI

WA1AHC

Official Journal of the Wellesley Amateur Radio Society

It took a long time coming but now the Springtime is here in good style and this means lots more outdoor activities. Some of you will be away at your summer vacation spots, others will be doing some antenna work, while others will be just enjoying fun in the sun. Whichever the case, we have two more activities before we go to the summer and those are Field Day '78' on June 24-25th and the annual picnic with the Middlesex and Wellesley radio clubs on July 30th. If that Sunday is a rainy day, it will take place on August 6th. The site will be the same as last year. More on this as we get into the issue.

Since there will be no Spark Gap in July, we do have a deadline of August 14th for the September 'Gap' in case you have something to contribute to the September printing.

It has been another fun-filled year starting off with the trip to the ARRL, the Veterans Day parade, the QSP party at the club, the VHF expedition to New Hampshire, the Natick Mall Message Fair, the BIG Blizzard of 78, the ski trip to Mount Sunapee, the auction and the first coverage of the BAA Marathon by amateur radio. We also had some very interesting speakers at the club along with slides and movies to further enhance our knowledge of our hobby.

Yep, the calender year sure does bly by and the one month respite to unwind as editor will be looked forward to with much gusto. Have a nice summer.

CLEARING THE AIR

In the FCC works there is a Docket NR 21135 pending, which wants to eliminate all current club and memorial station call signs and replace them with the prefixes of WK1???. Eventually they hope to even eliminate these completely. This is being done in order to "lighten the workload" of the FCC. They also, in this docket, want to make each club or memorial station give reason to justify their having a club call sign at all.

Unfortunately this subject was just brought to my attention and you are receiving it on short notice, but better late than not at all.

The ARRL has sent out a letter to all affiliated clubs asking them to write a letter to the FCC, Washington, D.C. 20554 and make a protest against the passage of this docket. They have also asked each ham to write a letter on his own voicing his individual views. This letter should be written with one original and six copies (one for the ARRL records) and mailed to the FCC by June 2, 1978. This doesn't afford you much time so if you don't have carbon paper, just send in a letter, it will all add to the total.

Our club has been notified by your editor on this matter by telephone so they may compose and mail their opposition so it will get to the FCC on time and we would appreciate your helping us with your own letter as mentioned above.

The docket, from where amateur radio is concerned, would not "lighten" the load at the FCC but would complicate it and many of you working the bands, would never recognize that old familiar club station you used to work, like W1AW could become WK1XVR or whatever. One thing is sure, you would have to get a new call book and hope it had all the changes in it. Therefore we ask your indulgence to state your views on this important docket 21135.

73,

Jim Hatheley
WA1TBY

MEETINGS THIS MONTH:

June 1, 1978
June 15, 1978 at 7:30 P.M.

Intermediate Bldg., Wellesley Hills, Mass.

ANNOUNCEMENT

At the meeting of May 18, 1978 we had an election for the officers to direct the club for the new year beginning September 1, 1978. Here are the results of that election.

President Don Chesley, WA1HVS

Vice Pres. Pete Spotts, WB1BUP

Rec. Sectry George Young, WA1YAU

Corr. Sec. Scott Nacey, WA1YOJ

Treasurer Jim Hatherley, WA1TBY

Fund Raiser Kevin Kelly, WA1YHV

Op.Activities Bill Downing, WA1PQY

Our congratulations to the electees and we wish them all the best in their appointed positions. To the unsuccessful candidates, there is still plenty of work for all of us and your continued cooperation will be appreciated.

We had about 32 people present at the meeting.

It was also discussed to change the manner of nominating candidates for the future and Dick Magnanti, WB1BUQ will take this idea and report back to the executive committee for future consideration. In a nutshell, it would allow a person to run for an office and have some time to run a campaign of his own. This would allow the club to become familiar with each persons qualifications. Also we would like to put in a list of the people running in the GAP so that those who don't attend the meeting can at least vote for the candidates of their choice. More on this as it unfolds. If you have any ideas to incorporate in this area, please let us know about them so they can be considered.

* * * * *

"New Tickets"

Again we have had a group of fellows who have updated their tickets so without further adieu, here they are:

To Extra Class, Kevin Kelly, WA1YHV, Matt Vartanian, WA1WDF. To Advanced Class, Pete Spotts, WB1BUP, and to General Class were Bruno Vasil Sr., WB1AJA, Farrell Woods WB1ELQ and Chad Johnson, WA1YHT.

A Well done to all concerned.

"timeout!"

by Mike Adlerstein, K1FB

It appears that the market for amateur radio equipment is truly flourishing these days. A quick look at the back pages of the popular Ham Magazine shows major new rigs emerging almost monthly. At the same time, equipment which was new and state-of-the-art one year ago, suddenly becomes obsolete and discontinued. As examples of this trend we have the new TR-7 solid state HF transceiver announced by Drake at the Dayton Convention. Also the I-COM 701, the Yaesu FD-301 and 901, and the Ten-Tec Triton IV digital. For two meter FM, we have seen the recent emergence of new walkie-talkies by Wilson, Genave and the new mobile rigs by KDK, Wilson, Yaesu and Kenwood. These new radios make "obsolete" the KDK FM-144, The Wilson SM-1402, the I-COM IC22S and others which have now been discontinued after only a couple of years of availability.

One wonders what business conditions lead to this type of fierce competition and rapid product development.

These new radios all carry hefty price tags, but, since there are only about one million amateurs world-wide, most of the sales must be in the U.S. and Japan which reduces the number to .6 million. It is estimated that the average U.S. ham spends about $250 one year on his hobby and even assuming that it all goes to new equipment this represents a U.S. market of $150 million per year. A more realistic estimate would be that the world-wide market is about this size.

Compared with other high technology industrial markets, this is "peanuts", especially when split up among so many vigorous competitors. And, especially when new models with high development costs make such short appearances on the market.

Despite the above simplistic arithmetic, both we hams and the manufacturers seem quite content with the present state of affairs. Let's hope it remains ever thus.

* * * *

NEW CLUB MEMBERS

Welcome to 'Jid' Kamitian, W1OJN, and Howard Chick, WB1ECG to the club. We hope to see more of you guys in the future.

The Spark Gap

Official Journal of the Wellesley Amateur Radio Society

EDITOR-IN-CHIEF, JAMES W. HATHERLEY

THE "SPARK GAP" IS A MONTHLY PUBLICATION OF THE WELLESLEY AMATEUR RADIO SOCIETY. ITS SOLE PURPOSE IS TO KEEP ITS MEMBERS ABREAST OF CURRENT HAPPENINGS, F.C.C. RULES & REGULATIONS CHANGES AND TO LIST EQUIPMENT OFFERED FOR SALE OR TRADE BY MEMBERS. MEMBERS ARE ENCOURAGED TO CONTRIBUATE TO THE SPARK GAP AND MAY SEND THEIR ARTICLES (TYPEWRITTEN IF POSSIBLE) TO THE EDITOR-IN-CHIEF OR TO THE CLUB ADDRESS.

THE WELLESLEY AMATEUR RADIO SOCIETY IS A NON-PROFIT ORGANIZATION DEDICATED TO THE PROMOTION OF AMATEUR RADIO THROUGH INSTRUCTION, FELLOWSHIP, DEMONSTRATION AND ENCOURAGED PARTICIPATION. ANNUAL MEMBERSHIP IN THE SOCIETY-$5.00. CLUB YEAR RUNNS FROM SEPTEMBER 1 - JUNE 30. AMATEUR NOVICE AND GENERAL CLASSES ARE CONDUCTED REGULARLY AT NO COST. TO ENROLL IN A CLASS OR GAIN INFORMATION ABOUT THE SOCIETY IN GENERAL, WRITE THE WELLESLEY AMATEUR RADIO SOCIETY,
324 WASHINGTON STREET
WELLESLEY HILLS, MASS 02181

6/78

OFFICIAL BULLETIN

BULLETIN # 704 April 20, 1978 BT In a special revision released on Apr 5, 1978, the FCC reminded American Amateur radio operators of the restraints on international third party communications. The United States now has third party agreements with Argentina, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Ghana, Guatemala, Guyana, Haiti, Honduras, Israel, Jamaica, Jordan, Liberia, Mexico, Nicaragua, Panama, Paraguay, Peru, Trinidad & Tobago, Uruguay and Venezuela. A special agreement with the ITU permits certain third party communications with 4U1ITU. The Commission further reminded U.S. Amateurs that transmission or delivery of international third party messages is prohibited unless an agreement under Section 2 of Article 41 of the ITU Radio Regulations has been announced by FCC. See QST League ines and Washington Mailbox for further tails. AR

BULLETIN #705 April 27, 1978 BT Effective April 25, 1978, the Canadian Department

ARRL OFFICIAL BULLETINS..... CONT'D

OF Communications changed the calls of all amateurs in the Yukon. The new prefix is VY1. Amateurs in the Northwest Territories will retain their VE8 callsigns. On another subject the FCC corrected the inadvertent ommission of general class licensees from 50.0 to 50.1 MHz. Effective May 15, 1978 all classes of license, except Novice, may use this previously reserved portion of 6 meters for cw transmissions only. See June QST for further details. AR

BULLETIN #706 May 4, 1978 BT During the summer travel season many amateurs visit ARRL Headquarters and W1AW. The league headquarters office building is open to visitors from Monday through Friday from eight AM to five PM EDST without appointment. Visits other than during these hours can be arranged by writing ahead to ARRL. The Maxim Memorial Station W1AW is open for visitors during additional hours as announced in QST. Both the Headquarters building and W1AW will be closed on May 29 July 4 and September 4. Printed direction to ARRL is available for a SASE with 13¢ postage to ARRL, 225 Main St., Newington Ct 06111. If you plan to operate from W1AW remember to bring your original license and not a photocopy. AR

BULLETIN # 707 (excerpt) May 11, 1978 BT On a new subject, delayed delivery of 1978 ARRL Repeater Directory is now expected shortly. If your request is not yet on file, send a six by nine inch or larger SASE with 46 cents postage to the ARRL AR

Hereabouts...

Lew McCoy, W1ICP is leaving the ARRL on May 15th and will probably be moving to the Southwest. His departure is for a one year medical leave relating to his heart attack earlier this year. Lew does not expect to be returning to the League.

Joe Moskey, W1JMY, QST's Circulation Manager is also taking a one year medical leave of absence.

Chod Harris, WB2CHO, has resigned as ARRL Manager of Clubs and Training and will be leaving the League effective June 2nd. Rosalie White, WA1STO, will take over Chod's position.

HEARABOUTS .....CONT'D.

GENERAL Class licensees will be permitted use of 50.0-50.1 MHz in a rules change just announced by the FCC. The change brings General 6 meter privileges in line with those of Technicians, who were granted the low end of six in the second Report and Order on Docket 2028 adopted March 22nd. Effective date is May 15.

EX-NOVICES whose licenses expired less than a year ago will be eligible to apply for reinstatement just like any other amateur licensees under the FCC's recent rules change making Novice licenses good for five years and renewable. This means any former Novice whose license expired after May 15, 1977, can submit a Form 610 on or after this May 15, but within one year of his original expiration date, when the new provisions become effective, and regain his license for a full five years - without retaking an exam. Present Novice license holders must realize the new five year Novice license terms are not retroactive - their licenses still expire in two years on the expiration date they bear and must be renewed with Form 610 - available from Ham Radio or FCC for an SASE. (If you know of any former novices, you may do him a favor by mentioning this to him.)

How's DX

by
BOB
RUDKO
W1HSS

One way to make contact with some of those rare DX stations is by making use of the DX nets. Usually there are several DX stations who have checked into the net. Then, net control calls for U.S. stations, usually by call area. When it comes to your turn you are allowed to make one or two calls, depending on the net rules, with no QRM to worry about. This makes it easy to work DX stations which are not very strong. Another advantage to this type of operation is that there are many rare DX stations who only operate through DX nets because it is much easier on them.

Some of the more well known nets for DXing are:

Africana Net	21,255	@ 1700 UTC
W7PHO Pacific	14,255	@ 2300 UTC
Caribbean Net	21,275	@ 1700 UTC
Pacific Area Net	14,220	@ 0715 UTC
DX Roundtable	21,320	@ 1700 UTC(Sat.)

HOW'S DX.....CONT'D.

YL1SSB 14,331 @ 1600 UTC.

I have had some questions about Clipperton QSL's. All QSL cards for Clipper go to HB9MX, Kurt Bindschedler, Strohlegging 28, 8400 Winlerthur, Switzerland, Europe. Dont expect a return before late June.

Some DX things to look for:

Iraq - most days 14,210 after 0500 UTC
TJ2P - Sats. 14,225 at 2100 UTC
Monaco - 3A2HB Tuesdays 14,240 from 2000 UTC on.
Iceland - TP2M in July
Faroes - July/August all bands
Cocos-keeling - UK9YS operated by P29JS end of May.
KX6MP - 14,030 about 1130 UTC.

Good Luck, see you next month with more. IMPORTANT NOTE: It is now illegal to make contact with the following countries, Cambodia-XU, Viet Nam - XV and Thailand -HS.

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CHUCKLE KORNER

CLAIM YOUR REWARD!

There are a number of electronic terms concealed in this wanted-poster message. Can you find them all?

A class-A reward is offered to the arrester of Eddy Current, Charged with the Induction of an 18-year old coil named Milli Henry. He and his Heated half brother, I. Squared, are losses, given to the use of coercive force, and are suspected of being anti-static agents, as well. Milli Henry was found induced, half-choked, and robbed of valuable joules on the Kelvin Bridge.

This unrectified criminal, armed with a knife switch and ferrite rod, escaped from weston primary cell, where he had been clapped in ions since last faraday. Exciting current had an erg to be in free space, and so he planned a three-phase escape: First, he blew the fuses of the electrolytics, then he climbed through a grid, despite the impedance of the guard band, whose reactance was too slow.

Finally, he slid to ground on a guy wire, climbed over the barrier of a forbidden energy gap, and escaped across the magnetic field.

CHUCKLE CORNER.....CONT'D.

Stealing a megacycle at the nearby town of Alloy Junction, he sped for ohm by a secret path. No one can say what impulse motivated his attack on the passive Milli, but he certainly did gedder. Eddy Current is a dangerous trancient, may offer series resistance, and should be treated as a potential killer circuit.

Signed,

A.C. Hum, Sheriff

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ACTIVITIES

THE BAA MARATHON AND WARS

The B.A.A. has been running the annual Boston Marathon for as long as I can remember (and then some!). About 82 years worth to be exact. And then in 1978, they tried something different, something that broke with the traditions of the past. You see, it started out at the turn-of-the-century with 100 runners and has swelled to 4000. How do you keep track of all those people? Wellesley Amateur Radio Society developed OPERATION RACER, in hopes of addressing and correcting some of these problems.

We set up 7 mobile checkpoints along the marathon route as well as at the finish line. Communications headquarters was established on the 19th floor of the Prudential Tower in Boston, with auxilliary links to the Media Room and two buses carrying members of the press. Initial call up of the net proceeded as scheduled at 1100 hours with timechecks every 15 minutes to inform checkpoint stations of the status of the race. Meanwhile, Bob Rudko, W1HSS, our man in Hopkinton, stalwartly plowed his way through the crowds of onlookers with walkie in hand and found the starting point. We tried to start the wheelchair race over the air, but they were intent on leaving when they felt ready so we concentrated our efforts on the main event. With a minute to go before the start, W1HSS turned up the volume on his walkie while net control broadcast countdown tones each second, the last tone sounded and the runners were off! At last, the BAA Marathon had entered the SPACE AGE.

Our performance was a hard act to follow. The first few checkpoints had little difficulty relaying the positions of the

ACTIVITIES.....CONT'D.

leaders to net control and the whole undertaking was handled in a concise and timely manner. Beyond the Wellesley checkpoint, the crowd control problem turned from a headache into a nightmare. The press buses eventually dropped behind the lead runners and it was all our checkpoint stations could do to even get through the crowds to take down position information. The communications center at the Prudential was not without its share of difficulties. The Honeywell computer van which was responsible for timing some of the runners, calibrated their timebase to a signal from WWV provided by one of our HF radios. Some wiseguy in the crowd pulled the power plug out of the van, so there were some very hectic moments trying to get the official timer's clock resynchronized with the computer van.

At last, Bill Rogers crossed the finish line and our job was essentially done. I can say without reservation that the officials at the Prudential were duly impressed with the effort.

And, yes, that means an invitation to do an even better job next year. As Wellesley ARSPresident Don Chesley, WA1HVS, has noted, there were some things to learn at each checkpoint, but these are problems that crop up whenever a new endeavor is attempted and there is no reason why they cannot be ironed out. In that spirit, Checkpoint stations have been asked to critique the way the project was handled and provide some suggestions for improving communications. We expect to meet with the Prudential people soon in order to

ACTIVITIES/MARATHON...CONT'D.

discuss goals for the 1979 Marathon.

I would like to thank the following people for their participation in OPERATION RACER: Bob Rudko, W1HSS, Mike Adlerstein, KLFB, Nels Anderson, K1UR, Gene Behrens, John Bellantoni, WB1ALZ, Nina Brodie, WB1-ECJ, Glenn Brodie, WB1BVN, Don Chesley, WA1HVS, Dave Curry, K1TK, Saul Dinman, K1PDX, Mark Dinman, WB1FCO, Bill Downing, WA1PQY, Chan Eddy, WA1YOL, Louis Jansen, W1FL, Kevin Kelly, WA1YHV, David Kirschen, WA1ZRH, Scott Levin, WB1FGI, Dick Magnanti, WB1BUQ, C.J. McDonald, WB1BUM, Joe McGrath, WA1JIR, Jim Murphy, WB1BUR, Bob Novack, WA1LBJ, Dick Paret, WA1ZLQ, John Schide, WB1BUV, Pete Spotts, WB1BUP, and Roger Wilmarth, WA1RSV, Bob Bello, WA1KTY.

If I unintentionally omitted your name, please accept my apologies.

De Bill Downing, WA1PQY.

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ED note: That was a fine show of people to help inaugurate a new slant to this famous Marathon.

ELECTRONIC EXCHANGE

For Sale: Heath HW-16 with HG-10B VFO and manuals. $150.00

Johnson Viking Navigator xmtr 10 thru 160 meters, 40 watts with built in VFO and adapted for FSK. $50.00. For either of above articles call Bob Young, W1MXI at 484-0950.

Looking for: 3 element triband beam. What have you got? Scott Nacey, WA1YOJ, 235 1599

For Sale: Astatic D-104 mike with preamp in excellent condition. $30.00. Scott Nacey at 235 1599.

For Sale: Wilson Model 1405 in cood condition with touchtone pad, nicads, battery charger and fully crystalled. $300.00.

Also have Bearcat Scanner IV. All 8 channels are crystalled. $110.00. For either of the above call Chad Johnson, WA1YHT 235 5114.

For Sale: Heath SB-100 transceiver 10 thru 80 meters with HP 23 power supply and SB-

ELECTRONIC EXCHANGE....CONT'd.

600 speaker. Call Paul Randazzo, WA1SXU at 649-9262.

Auctions / Flea Markets

June 4 Ma Eastern CT ARC Fleamarket and Auction. Rain or shine, Point Breeze Restaurant Hall, Rte 193 Webster, Ma. Food and Drink is available.

June 5 Ct. Hampden CT ARC Flea market 7:30 PM Feeding Hills Church. Info via K1BE 569 6739.

Jun 10 Ct. Candlewood ARA Auction. St. Marys Church, Ridgefield, Ct.

Jun 10 Me Portland Me. AWA Indoor flea market 9:30 AM at Red Coach Grille. Tpk exit 8 Talk in on 13/73

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"The Decoder"

Pete's PEANUT WHISTLE JUNCTION::::::::

It was late one winter evening that I finished building my QRP rig. I was eagerly looking forward to sending my first CQ with the new radio, and as I put the finishing touches on it, my wife looked on and said somewhat skeptically, "But it's so small!". And indeed, it looked tiny sitting next to my bulky, black Tempo One.

But, I just looked back at her with a secret inner smile known only to those who dabble in building radio gear, and I replied, "That's O.K. Sweetie, it will still work!"

And loe and behold, it did - the first time. The only problem was that after sending CQ's until my arm fell off, (I still was using a straight key at the time) I had yet to get an answer. All the next day I continued pounding out CQ's and the longer I pounded, the more discouraged I became. But, before the day was through, I received my first and most important lesson in QRP operating techniques: Dont send CQ when running QRP.

So, how do you open up a contact? You call the other guy! The more I tried t technique, the more successful I became in establishing initial contacts with other hams. Granted, this method of initiating

a QSO is somewhat off the beaten operating path, but it makes a lot of sense.

Consider yourself walking amidst a large crowd. If someone faintly shouts, "Hey you" the chances are you won't turn around to see who is calling. But if someone shouts your name, even if you barely can hear it, you're more likely to turn around with ears keenly attuned to a second call.

And so it is with QRPwork. For the most part, your signal will be surrounded by stronger ones, so if you can't outshout the hams two or three kilohertz on either side of you, then you have to be specific in your call to attract attention. It's not hard to do, and more important, it works! And if you can't find anyone calling CQ, then tack yourself onto the tail of an ending QSO. As long as you don't hear the fateful SK at the end of the last exchange, either ham on the other end is fair game for your fist. There's a nifty advantage to this method. Because you're forced to follow the conversation, your cw proficiency will increase with every QSO you follow.

When making the call, use the other station's call sign about three times, just enough to get his attention. Then come in with your callsign about three times, W7XYZ W7XYZ W7XYZ de WB1BUP WB1BUP WB1BUP K. This gives the other operator time to get your call, even through qrm. And, if the other guy is lucky enough to have a beam, it gives him time to start in swinging in your direction. Besides, short calls with frequent breaks relieves a bit of the congestion on the crowded bands.

Then the QSO begins, and the operator on the the other end will give you a hearty FB OM when you tell him you're running QRP.

While it is nonsense to think that you will never make a contact using this method, is also wise to be realistic. If the incoming signal is weak, the chances are you won't be able to raise the other operator. He probably is running more power than you, and if he can't get through to you, you can pretty well bet you won't be able to raise him. So save yourself the discouragement of an unanswered call and pass him by for a stronger signal. Of course, there are exceptions to this, but for the most part, you'll want to stick to the hams you can hear well.

If there are any of you who may be hesitant to take the QRp step, why not try

PETE'S PEANUT WHISTLE JUNCTION..CONT'D

try the techniques I've outlined on your rig, but run as little power as you can. You'll be surprised, especially with the band openings, how well you'll do! And you'll save wear and tear on your finals too! And, most important of all, I might be the ham just up frequency - thanks for letting me get through!.

De Pete Spotts, WB1BUP

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profiles

This month we salute Scott Naceym, WA1YOJ along with David Curry, K1TK. Both are active members of the club and have been for some time. Bur first, let's start with Scott.

Scott is a true Wellesleyite, having been born in this town and attended all the grades right up to high school where he is in the class of 1979. After graduation he intends to go on to study communications and electronics in a college of his choice but it is too early to state which on yet.

Scott's baptism into the radio hobby came when he visited the Mass. Institute of Technology club radio station W1MX. Here he saw them using a repeater on 450 MHz and decided this was for him. The bug bit him and he got his technician ticket on the first try. He never was a Novice. From here he got on 2 meters right away and then worked up to his General and now his Advanced ticket status. He hasn't stopped here and is now studying for his Extra. He got his Novice ticket in 1976 and being friendly with Gordon Kingsley, WA1TAK, decided to join our club. Since then he has been a tireless worker.

Besides going to school, he works as a part timer at Johnson Associates who are manufacturers representatives for electronic companies. Besides radio as a hobby, he likes to dabble in photography but does it sparingly since his money wont stretch far enough to properly project into the photography part of it.

He recently was able to take a trip to England where he visited the many points of interest there but still had time to visit the station GB2SM which is the Administrative headquarters for any QSL's to the Britain area. He was impressed by the

modern gear in the station. The two meter operation over there is mostly on side-band and cw but they also operate repeaters too.

Scott has been active in the club since joining it having served as a control operator at the club station, served very ably as net control during the big blizzard of February 6-7 by performing a commendable job at it. Not bad for a kid of 16 years. I am sure we will hear a lot from Scott as the years pass by.

At home he operates a Kenwood TS-520S on his 80 meter inverted vee and on 15 meters he uses a vertical and gets out pretty well. He hopes to put up a beam this summer and will probably add a 2 meter beam for his l'il old Wilson walkie.

The other half of this dynamic duo is David Curry, WA1TAK, but more recently has upgraded to Extra Class and with it got a new call, K1TK.

David got his Novice ticket in 1975 as a result of our club classes and from here he worked himself up the ladder to the top in short order.

He was born in Ames, Iowa and moved to Chelmsford when he was 6 months old. By the time he was ready for school, his family relocated in Wellesley where he is in this years graduating class of 1978. He is planning to go to Worcester Polytech in the fall to major in computer engineering.

He is also an industrious guy who, after school, works in a TV repair shop, fixing all kinds of electronic gadgets. His hobby is ham radio in all of its phases. You can

name it anf find David has some knowledge of it. He likes, especially, the CW contests on the various bands.

Dave first became interested in ham radio thru Dr. Bill Emerson, WA1EVD, and got his first ticket in January of 1975. From these meager beginnings the flame got fanned as his interest increased and now, besides having his Extra ticket, also has his Second Class Commercial ticket too. He now has his sights on getting his First Class ticket.

David has been active through the years in many capacities and hardly an event went by where you didn't find him in there doing his thing. He is the QSL Manager for the club, has taught both the General and Novice classes and has been working on the RTTY gear for the club station.

I am sure you oldsters and youngsters alike, will gain new confidence in upgrading your own tickets when you see what these two young fellows did in such a short length of time. All it takes is a little work and study and you're home free.

David's QTH sports a Kenwood TS-820S to a tribeam and for 40 and 80 uses dipole type antennas. On two meters he is using his Wilson Mark II walkie.

Yep, Both David and Scott are hams in every sense of the word and it is a pleasure to know them. I'm sure you will agree.

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Just got word that Dave Smith, K1BSO h passed his Extra Class Ticket too. Congra David. So long all, see you next time.

de Jim Hatherley, WA1TBY